

PA-IDC

Application No. 10000328

Prepared by PAP

Tracking Number 05963194

Examiner-GAU Kornakov - 1746

Date 7/26/04

Week Date 6/7/04

No. of queries	Time (sec)	Time (min)
1	1.2	0.02
2	1.5	0.025
3	1.8	0.03
4	2.1	0.035
5	2.4	0.04
6	2.7	0.045
7	3.0	0.05
8	3.3	0.055
9	3.6	0.06
10	3.9	0.065
11	4.2	0.07
12	4.5	0.075
13	4.8	0.08
14	5.1	0.085
15	5.4	0.09
16	5.7	0.095
17	6.0	0.10
18	6.3	0.105
19	6.6	0.11
20	6.9	0.115
21	7.2	0.12
22	7.5	0.125
23	7.8	0.13
24	8.1	0.135
25	8.4	0.14
26	8.7	0.145
27	9.0	0.15
28	9.3	0.155
29	9.6	0.16
30	9.9	0.165
31	10.2	0.17
32	10.5	0.175
33	10.8	0.18
34	11.1	0.185
35	11.4	0.19
36	11.7	0.195
37	12.0	0.20
38	12.3	0.205
39	12.6	0.21
40	12.9	0.215
41	13.2	0.22
42	13.5	0.225
43	13.8	0.23
44	14.1	0.235
45	14.4	0.24
46	14.7	0.245
47	15.0	0.25
48	15.3	0.255
49	15.6	0.26
50	15.9	0.265
51	16.2	0.27
52	16.5	0.275
53	16.8	0.28
54	17.1	0.285
55	17.4	0.29
56	17.7	0.295
57	18.0	0.30
58	18.3	0.305
59	18.6	0.31
60	18.9	0.315
61	19.2	0.32
62	19.5	0.325
63	19.8	0.33
64	20.1	0.335
65	20.4	0.34
66	20.7	0.345
67	21.0	0.35
68	21.3	0.355
69	21.6	0.36
70	21.9	0.365
71	22.2	0.37
72	22.5	0.375
73	22.8	0.38
74	23.1	0.385
75	23.4	0.39
76	23.7	0.395
77	24.0	0.40
78	24.3	0.405
79	24.6	0.41
80	24.9	0.415
81	25.2	0.42
82	25.5	0.425
83	25.8	0.43
84	26.1	0.435
85	26.4	0.44
86	26.7	0.445
87	27.0	0.45
88	27.3	0.455
89	27.6	0.46
90	27.9	0.465
91	28.2	0.47
92	28.5	0.475
93	28.8	0.48
94	29.1	0.485
95	29.4	0.49
96	29.7	0.495
97	30.0	0.50
98	30.3	0.505
99	30.6	0.51
100	30.9	0.515

IFW

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	<input checked="" type="radio"/> PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

- Page Missing
- Text Continuity
- Holes through Data
- Other Missing Text
- Illegible Text
- Duplicate Text
- Brief Description
- Sequence Listing
- Appendix
- Amendments
- Other

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

MESSAGE Pto-1449: Please either initial  
r line through citation(s). Copy  
rouided for reference.

Thank you

initials PAP

## RESPONSE

initials

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

*Complete if Known*

Application Number	10/000,328
Confirmation Number	9770
Filing Date	December 04, 2001
First Named Inventor	Masao UTSUNOMIYA
Art Unit	1745
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q67571

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	09-298064		11-18-1997	Fuji Electric Co., Ltd	Partial Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**Complete if Known**

Application Number	10/000,328
Confirmation Number	9770
Filing Date	December 4, 2001
First Named Inventor	Masao UTSUNOMIYA
Art Unit	1745
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q67571

Sheet	1	of	1
-------	---	----	---

RECEIVED  
APR 01 2002  
TC 1700

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

RECEIVED  
 APR 01 2002  
 TC

TC 1700

[illegible]

TC 1700

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation*
		Abstract, JP 10-241709, 09/11/1998, Matsukawa Masanori et al.	

<b>Examiner Signature</b>		<b>Date Considered</b>	
---------------------------	--	------------------------	--

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.